



**WELDLINE™**

by Lincoln Electric

# ***CLEANSPACE 2™*** **Powered respirator**

# POWERED RESPIRATOR

## CleanSpace<sup>2</sup>™ *Every breath counts*

A major innovation in personal respiratory protection - a compact, lightweight power unit is cushioned around the back of your neck and is counterbalanced by the soft, silicone, low profile mask. This combination provides clean air as you breathe. This unique personal respiratory protection method delivers significant benefits to industrial workers.

### INNOVATION

- Ergonomic, compact design with no trailing leads, cables nor hoses.
- Patented, micro-turbine, toroidal motor with only one moving part generates the airflow of up to 200L/min .
- Inbuilt pressure sensor provides positive pressure inside the mask and adjusts the airflow to prevent contamination.
- Breath activated On/Off operation.

### RELIABLE PROTECTION

- Light, silicone mask ensures a good facial seal for long periods.
- Robust, reliable micro-turbine motor (up to 10 years operating life).
- High efficiency, pleated, particle filter removes solid and liquid particles.

### COMPATIBILITY

-  Welding & Safety Helmets
-  Goggles, Spectacles and Face Shields
-  Hearing Protection

### EASE OF USE

- Simple to fit and use.
- Changing filters is quick and intuitive.
- Easy to clean; fast 2 hour charge.
- Works up to 6 hours or 11 hours with optional Endurance Pack.

### COMFORT

- The soft, silicone mask is available in three sizes to maximise the fit and cling gently to your face.
- The AirSensit™ System intelligently delivers air on demand in harmony with your breathing.
- Compact and light, the respirator sits at the back of your neck and close to your body.



The product is made of three parts:



**CleanSpace2™**  
Respirator unit



Silicon mask  
*(medium for example)*



Pre-filter P3 for welding  
*(option to increase the lifetime of the filter)*



Composition / To order :

**W000386837** **Respirator unit** (1 + 2 + 3 + 4 + 5 + 6)

- 1 Power unit
- 4 Thin protecting neck
- 7 Head harness
- 2 Filter P3
- 5 Large protecting neck
- 6 Storage bag
- 3 Charger



**Silicon mask**

*(sold as a separate part)*

- W000386838** Small
- or **W000386839** Medium
- or **W000386840** Large



**Pre-filter P3**

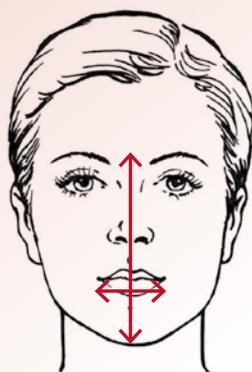
**W000386842**



Increases the autonomy and the lifecycle of the included P3 particle filter.

## How to choose your silicon mask ?

The personal respiratory protection with assisted ventilation **CleanSpace2™** is easy to adjust and to use. It is important that your mask is **hermetically fitted to your face**. To adjust the mask, follow the current standards of respiratory protection in your country.



Length of the face	133,5 mm	Try first: <b>MEDIUM</b> then: LARGE	Try first: <b>LARGE</b> then: MEDIUM	Try first: <b>LARGE</b> then: MEDIUM	
	113,5 mm	Try first: <b>MEDIUM</b> then: SMALL	Try first: <b>MEDIUM</b> then: LARGE		
	103,5 mm	Try first: <b>SMALL</b> then: MEDIUM	Try first: <b>MEDIUM</b> then: SMALL		
	93,5 mm		Try first: <b>SMALL</b> then: MEDIUM		
		34,5 mm	43,5 mm	52,5 mm	61,5 mm
		Length of lips			

## Specific filters with higher capacity:

- **CleanSpace2™** large case filters below should be used with the Filter Adaptor. The power unit cover is removed and replaced with the **Filter Adaptor**, which the large filters are then clipped on to.



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- **P3 high capacity particle filter** with four times the surface area of **CleanSpace2™** standard particle filter offers high efficiency with pleated fiberglass filter suitable for use against solid and liquid particles including dust, mist, fumes, fibres, bacteria and viruses.



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- **A1P3 filter** is suitable for protection against mechanical and thermally generated particles (*dust, mists and fumes generated by welding, grinding & sanding*), organic gases or vapours (*e.g. solvents with a boiling point higher than 65°C*). Industry applications for the A1P3 filter include: solvent-based paints, paintwork with lacquers, spray painting with water soluble paints, disinfecting and cleaning.



W000400234

- **ABE1P3 filter** protects the user against vapours or gases stemming from organic or inorganic gases, acid matters and dust. This filter is very useful when materials to be welded are not clean (*rest of paint, oxidation, fat etc.*). Mechanical and thermally generated particles include dust, mists and fumes generated by welding, grinding and sanding. This filter offers protection from **ozone** which can be emitted by certain welding processes.



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*This filter is recommended for welding.*

**Features:**

**Piezoresistive pressure sensor**

Ensures positive pressure inside the mask and high level of respiratory protection.

**Battery**

Internal battery life is typically more than six hours and up to 11 hours when used with the optional Endurance Pack. No memory effect. Two hour charge time (95%).

**Ratchet adjustment**

Easy to adjust to give you close and comfortable fit.

**Ergonomic neck-mounted design**

No trailing hoses or leads.

**CleanSpace2™** improves mobility and doesn't interfere with your work. Comfortable over long periods.

**Silicone mask**

Low profile design ensures maximum visibility and awareness for the wearer. Clear, hygienic and washable silicone. Available in different sizes.

**Powerful micro-turbine motor**

State-of-the-art technology; extremely robust; designed to operate continuously for more than three with no maintenance.

**Filter cover**

Patented pin and lock system to secure filter in place and allow quick and easy filter replacement.

**Mask attachment clips**

Simple fitting and disassembly.

**Filters**

Easy to fit and change. Located away from the source of the hazard, extending the life of the filter; **CleanSpace2™** has optional pre-filters, designed to prolong filter life.

**Neck pads**

Excellent comfort and support for long periods. Removable, washable and available in different sizes.

**High quality exhalation valve with silicone leaf**

Easy to breathe and talk. Directs air away from the face.



**EASY AND INTUITIVE OPERATION**

**BREATH RESPONSIVE**

Three user settings to maximise user comfort. Air is not continuously blowing on your face.

**AUTOMATIC START/STOP**  
One button operation; **CleanSpace2™** only operates when you need it.



**FILTER AND LOW BATTERY ALARMS**  
Audible and visual alarms advise the user when the filter is blocked or the battery is low.

**Applications:**

- Metal fabrication and welding
- Chemical or biological material handling
- Maintenance and cleaning
- Grain and food handling
- High dust environments; mining and quarry
- Stone, cement and concrete handling

**Specifications:**

Comfort Air Flow Settings	3 levels
Maximum Air Flow	200 L/Min
Weight	Power Unit: 485G / Mask: 115 G
Audible Alarm At Ear	75 DB(A)
Life	Motor: 10 years / Battery: 3 years or 500 cycles
Automatic Switch-Off	3 minutes after idle
Internal Battery Duration	Min 4.5 hours (typically > 6 hours)
Internal Battery Charging Time	2 hours (to 95%)
Ac Adaptor Charger Input Range	100 - 240 V
Output Range	13.5 V

# BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY

**125**  
YEARS OF EXPERIENCE

**325+**  
GLOBAL R&D TEAM

**38**  
SOLUTION CENTERS

**3.0**  
BILLION USD REVENUE

**11 000**  
EMPLOYEES WORLDWIDE

-  Global Headquarters
-  Solution Centers

## CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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